Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (currently amended) A master mold comprising a support layer comprised of a metal material and a fine structure pattern comprised of a glass or ceramic material supported by said support layer; wherein the support layer material has a lower grinding speed than the material of the fine structure pattern and the support layer forms bottom portions of the fine structure pattern.

2-3. (cancelled)

4. (previously presented) The master mold of claim 1 wherein the mold is suitable for making plasma display panel ribs.

5. (previously presented) The master mold of claim 1 wherein the mold is suitable for making microfluidic articles.

6. (original) The master mold of claim 1 wherein said fine structure pattern is a grid-like protrusion pattern comprising a plurality of ridge-like protrusions arranged substantially parallel while intersecting one another with predetermined gaps among them.

7. (previously presented) The master mold of claim 1 wherein said fine structure pattern comprises ribs having;

a rib height of 150 to 300 μm,

a rib pitch of 150 to 800 μm, and

a rib width of 50 to 80 μm.

8. (currently amended) A master mold comprising a support layer comprised of a metal material and a fine structure pattern supported by said support layer, wherein said fine structure pattern

comprises a glass or ceramic material having a higher grinding speed than the support layer material and is formed by selectively removing the higher grinding speed material such that a fine structure pattern is formed and the support layer forms bottom portions of the fine structure pattern.

9. (previously presented) The master mold of claim 8 wherein the high grinding speed material is removed by sand blasting.

10. (previously presented) The master mold of claim 8 wherein the high grinding speed material is removed by chemical etching.

11. (withdrawn/currently amended) A method of producing a master mold comprising the steps of:

forming a support layer from a material;

depositing a layer of a glass or ceramic material having a higher grinding speed than the metal material of the support layer on said support layer to form a composite material layer;

forming a mask on said composite material layer;

selectively removing said layer of high grinding speed material such that the support layer is exposed forming a fine structure pattern wherein the support layer forms bottom portions of the fine structure pattern; and

peeling said mask from said layer of said high grinding speed material.

12-13. (cancelled)

14. (withdrawn) The method of claim 11 wherein the high grinding speed material is removed by sand blasting.

15. (withdrawn) The method of claim 11 wherein the high grinding speed material is removed by chemical etching.

16. (withdrawn) The method of claim 11, wherein the high grinding speed material is formed by spraying, enameling or a sol-gel method.

17. (withdrawn) The method of claim 11, wherein said mask is formed by the steps of forming a layer of a mask-forming material on said composite material layer and then patterning it into a desired shape by photolithography.

18. (withdrawn/previously presented) A method of making a flexible mold comprising:

a) providing a master mold according to claim 1;

b) applying an ultraviolet curable molding mater to the master mold;

c) laminating a support film to the master mold;

d) irradiating the molding material through the support film thereby forming a flexible mold comprising the support film and a shape imparting layer bonded to support; and

e) separating the flexible mold from the master mold.

19. (new) The master mold of claim 1 wherein the bottom portions of the fine structure pattern are flat.

20. (new) The method of claim 11 wherein the bottom portions of the fine structure pattern are flat.

21. (new) The master mold of claim 1 wherein the fine structure pattern consists of a glass or ceramic material and bottom portions consisting of a metal material.

22. (new) The method of claim 11 wherein the fine structure pattern consists of a glass or ceramic material and bottom portions consisting of a metal material.